

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1 7</div>	
2. AMENDMENT/MODIFICATION NO. <div style="text-align: center;">0002</div>		3. EFFECTIVE DATE <div style="text-align: center;">09-May-2003</div>		4. REQUISITION/PURCHASE REQ. NO. <div style="text-align: center;">W33SJG-3022-3049</div>		5. PROJECT NO.(If applicable)	
6. ISSUED BY CODE <div style="text-align: center;">ESF</div> US ARMY ENGINEER DISTRICT SAVANNAH ATTN: CT-P/EDWINA FRAYALL 100 WEST OGLETHORPE AVE SAVANNAH GA 31401-3640		7. ADMINISTERED BY (If other than item 6) CODE <div style="text-align: center; font-weight: bold;">See Item 6</div>					
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. DACW21-03-B-0007	
				X		9B. DATED (SEE ITEM 11) 26-Mar-2003	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) <div style="text-align: center; font-weight: bold;">SEE ATTACHED</div>							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 09-May-2003	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

Solicitation Number DACW21-03-B-0007, Installation of 230kv Circuit Breakers and Upgrade of Switchyard, is amended in the following respects:

A. CONTRACT CHANGES:

The Bid Opening Date of 13 May 2003, identified in block 13A of Standard Form 1442, is hereby extended to 19 May 2003 at 2:00 p.m.

Section 00010 – Solicitation Contract Form

Bid Item 0007 description is revised as follows:

Remove and dispose of non-PCB contaminated insulation oil in accordance with Section 02120 – quantity is estimated.

Bid Item 0036 and 0037 are added as follows:

Item No.	SUPPLIES/SERVICES	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
0036	Repair/Replace grounding connections known to be faulty and connections found to be faulty under Bid Item 0026.	75	Each	\$_____	\$_____
Item No.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0037	Remove and dispose of existing section of switchyard fence. Provide new double gates, posts, hardware, grounding jumpers, post foundations, and temporary access road in accordance with Section 16050	1	Lump Sum	\$_____	\$_____

Section 00700 – Contract Clause, Clause 52.211-18, Variation in Estimated Quantity has been added.

Section 00800 – Special Contract Requirements, Clause 52.232-4008 Designated Billing Office is changed to read as follows:

U.S. Army Corps of Engineers
Hartwell Construction Office
Attn: Steven Brown
6961 Anderson Hwy.
Hartwell, GA 30643

B. TECHNICAL SPECIFICATION CHANGES: The revised and added sections listed below (Revised and Added by Amendment No. 0002) are hereby added to and made a part of the solicitation. Revised or added information is underlined and deleted information is struck out. Revisions can be located in the appropriate volume of specifications by searching for an asterisk and amendment number (i.e., *2).

Revised Sections

Added Sections

Deleted Sections

Table of Contents

01005

01010

01270

01330 (ENG Form 4288)

01350

01320A

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15995

16050

16264

C. CONTRACT DRAWINGS:

(1) Sheets 02, 06, 11, 12, 16, 57, 58, 62, 70, 71 and 82 with Revision 1 dated 18 April 2003 are hereby added to and made a part of the contract drawings.

(2) Sheets 16A, 16B, 176, 177, and 178 dated 18 April 2003 are hereby added to and made a part of the contract drawings.

D. CLARIFICATIONS TO CONTRACTOR PRE-BID QUESTIONS/ANSWERS:

1. How will payment be received for lump sum work performed in phases?

Answer: Partial payment will be made on a monthly basis based on the progress of work as reflected in the approved construction schedule.

2. Who is responsible for re-landing the wires/cables in the panels?

Answer: The contractor will be responsible for providing enough labor to complete all wiring terminations. The Government's on-site personnel may elect to perform some of the wiring terminations on a case-by-case basis, but this reservation does not relieve the contractor from providing all labor, even if the Government does not choose to terminate any connections.

3. Can fittings be used on the pipes or must they be bent?

Answer: Fittings may not be used. Welded angles are acceptable, provided that a corona-free connection can be made.

4. Physical dimension drawings of the actual breakers would be helpful, can they be included in the amendments?

Answer: Yes they will be included.

5. What disassembly of the OCB's would be allowable onsite?

Answer: The only allowable disassembly on site will be separating the bushings from the breakers, but no breaker disassembly.

6. Would the contractor be permitted to use the grassy area at the far end of the switchyard for laydown?

Answer: No they will not be permitted to use this area.

7. Will the contractor be permitted to have bus outages to remove equipment?

Answer: Yes the contractor will, with coordination.

8. Will the contractor be required to test each grounding point?

Answer: In the contract, only the stingers going down are required to be tested, not every point that the grid crosses.

9. How will the KIRK KEY system be interfaced in the contract?

Answer: The contractor is required to coordinate with the equipment manufacturers and suppliers to furnish the interlocking scheme as designed and specified in the contract documents.

10. Who gasses up the breakers?

Answer: The Installation Contractor will be responsible for gassing up the breakers.

11. Is contractor responsible for inspecting the supplied breakers?

Answer: No, that responsibility falls under the supply contract.

12. How much time is required for notification prior to the barriers being moved?

Answer: The Contractor shall provide advance notice to the COR at least one working day in advance of any deliveries which requires moving of the barriers.

13. Is the contractor responsible for removing the brackets holding the oil lines?

Answer: No, the brackets will be left in place.

14. Can the Superintendent also serve as the QC?

Answer: No, the specs has been amended to include Section 01451A requiring the positions to be filled by two separate persons.

15. Can the contractor use the exterior hatch to the cable tunnel for access?

Answer: Yes, but the contractor must reseal the hatch prior to rain and provide any required safety guards.

16. Can double gates be added for truck use at the contractor expense?

Answer: See newly added Section 02821.

17. Will the contractor be permitted to use the crane?

Answer: Yes. However, the Contractor must comply with EM 385-1-1.

18. Should the COE instruct contractors to base bid on the assumption of less than 50ppm of PCB's so that all contractors are on the same level. NOTE: there are different costs for different levels of PCB contamination.

Answer: For biddability, we will assume all circuit breakers and storage tank oil to be PCB-free, all remaining oil to be in the 50-100 ppm range.

19. Is each surge arrester to be tested, and how should they be tested?

Answer: Testing will be as required in Section 16050, paragraphs 2.5.13, 2.5.14 and 2.5.15.

20. Will contractors, subcontractors and specialists be able to perform a follow up site visit to aide in bid preparation?

Answer: Yes, contractors, subcontractors and specialists may conduct an additional site visit on Wednesday 14 May 2003 from 0930am till 1200noon. Contractors planning to attend this follow up site visit should contact the Power Plant Manger Mr. David Lee(706)856-0363 or the On-Site Construction Representative Mr. Steve Brown(706)856-0397 for additional instructions.

21. What testing will the contractor be required to perform and will any additional testing sections be added to the specifications?

Answer: The testing requirements are contained in the specifications in the various equipment sections. A separate testing section will not be provided. The contractor must provide all tests as required in the contract documents.

22. Wage rates appear low for journeyman electricians and other craft workers. Request COE review these wage determinations at this time.

Answer: The wage rates has been verified. The hourly rates specified are the minimum the Contractor is required to pay their employees according to the Department of Labor.

23. What is the size of the existing panels?

Answer: The size of the existing panels in the control room are: W = 2'-4", H = 7' -6".

24. What type of relays are currently being used for the differential? This will make a difference in how much temporary work has to be done as the 2,000 amp breakers (with 2,000 to 5 CT's) are changed out to 3,000 amp breakers (With 3,000 to 5 CT's)

Answer: The type of relays currently being used for the differential are:

- a. Bus Differential = GE PVD
- b. Powerhouse Line Differential = GE PVD

25. Is the data from the previous power coordination study available for the contractor to use in making the new study, and if so, is it still current?

Answer: No new study is required

26. Request copies of the following documents to help prepare our quote for the subject sol.:

OIL TEST REPORTS ON THE EXIST OCB BUSHING OIL
OIL TEST REPORTS ON THE EXIST OCB OIL
OIL TEST REPORTS ON THE EXIST CCVT & CT OIL

Answer: The oil in the OCB Bushing, OCB tanks, and all insulating oil storage tanks should be tested for PCBs. Test reports dated 11 Nov 1981 stated that oil in OCB #448 and oil in OCB storage tank (dirty oil tank) had less than 1.0 PPM. There are no test reports for OCB bushing oil.

27. Bid Item 0036 listed in Section 01270, is not listed the bid schedule, Section 00010. Please revise or delete.

Answer: Bid Item 0036 has been added. Section 01010 has been revised.

28. The specified insulators for the 230KV switches in the yard are not compatible with the voltage and BIL rating of the station. Presently, the specification call for an ANSI TR 287 insulator.

Answer: The revised specs Section 16367, Para. 2.1.73. by deleting the reference to TR No. 287 and replacing with TR No. 316 as follows:

e. Insulator Stacks, Technical Ref. No., per ANSI C29 ~~287~~316.

29. What is the status of the second site visit?

Answer: See question 20 above.

30. The work phases as drawn on the plans do not appear to properly agree with the design of the control and relaying panels. This is to say that in the process of changing out the relay panels, the control and relaying scheme change out will not overlap properly with the breaker change out. Since the conduits and control cables have to be changed out at the same time, the panel change out will have to agree with the breaker change out. You may need to look at redrawing the work phases slightly to make the breakers that are being changed out in each work phase to agree with the control and relay panels which are being changed out in the same work phase.

Answer: The work phasing is a starting point for the contractor and is intended to outline the general requirements. The phasing of the work in the switchyard is fixed by requirements of the local utility transmission grid, but the exact sequence of work on the relay and switchboard panels is more flexible. Contractor is to furnish and install any temporary control and power connections needed to provide continuity of operations. See revised Section 16050, Para. 1.4.1.

31. In the pre-bid meeting it was discussed that there may be problem trying to bend the 5" bus between the breakers and switches as shown, as the bus may fatigue and crack before it can be bent as drawn.

Answer: Welded, mitered corners are also allowed. Fittings for change in direction only are not allowed. See revised Section 16050, Para. 2.14.1.

32. Will the Government allow the contractor to use cable bus between the breakers and switches instead of the 5" bus as currently drawn?

Answer: The use of temporary wire bus "jumpers" is allowed. There is no expectation of having to redo the buswork more than once. There is no requirement that the buswork be changed out initially, and the contractor should determine the appropriate timing to avoid extra labor, time or materials. See revised Section 16050, Para. 1.4.1.

33. If the jumpers can be changed to cable, will these need to be compression, puddle welded or bolted fittings?

Answer: The exact method of connecting the temporary wire bus "jumpers" has not been specified since there is no preference regarding these temporary connections. The contractor is free to use any method that provides adequate service.

34. Is there someplace at the site where the Government could provide some indoor storage for these panels?

Answer: The contractor is required to provide all material storage and protect all materials and equipment furnished (see SECTION 01010 para. 1.18). There is not sufficient storage available within the government's facilities.

35. There is a considerable amount of labor required to "thread" the existing control cables out of the system one at a time and thread new ones back in. Would it be permissible for the contractor to temporarily slide the existing cables to one side of the tray and install the new ones beside them, so that all of the existing cables could be

removed in one operation? If so, could the contractor be paid a percentage at the time that the ends of the old cables are cut loose and pulled back to the tray?

Answer: It is acceptable to temporarily place the cables to one side, and then remove on a work phase-by-work phase basis. The bid items for the removal and installation of the cabling is on a lump-sum basis, and the previous response regarding progress payments applies. See revised Section 16050, Para. 3.8.1.